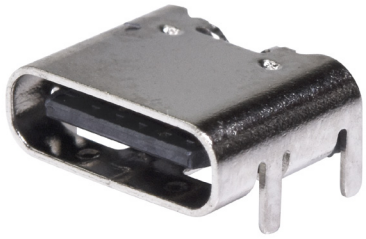
CUI DEVICES

MODEL: UJC-HP-3-SMT-TR | **DESCRIPTION:** USB RECEPTACLE

FEATURES

- USB Type C receptacle
- mates with standard USB Type C plugs
- designed for power only applications
- 6-pin
- reflow solder compatible
- tape & reel packaging



RoHS

SPECIFICATIONS

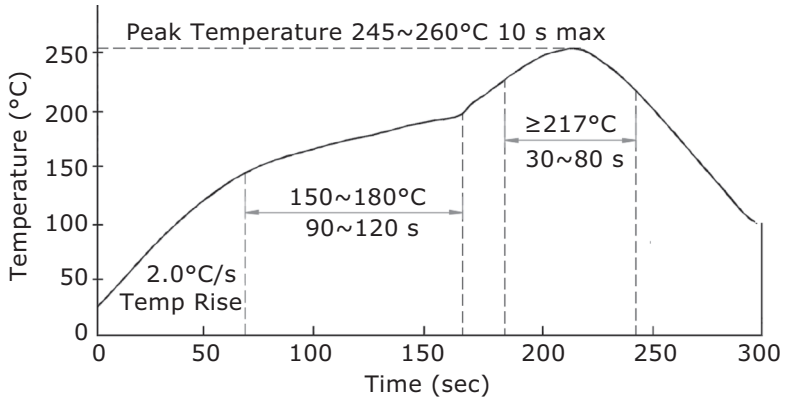
parameter	conditions/description	min	typ	max	units
rated input voltage				20	Vdc
rated input current	power/GND pins collectively (A9, A12, B9, B12) power/GND pins individually (A9, A12, B9, B12) all other pins			3 1.5 0.25	A A A
contact resistance[1]				30	mΩ
insulation resistance	at 100 Vdc for 1 minute between adjacent contacts	100			MΩ
voltage withstand	for 1 minute between adjacent contacts			100	Vac
insertion force	at a rate of 30 cycles/min	5		20	N
withdrawal force	at a rate of 30 cycles/min	8		20	N
life	at a rate of 500 max cycles per hour		10,000		cycles
operating temperature		-40		80	°C
flammability rating	UL94V-0				
RoHS	yes				

Note: 1. When measured at 20 mV / 100 mA max.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			30	°C
reflow soldering[2]	see reflow profile			260	°C

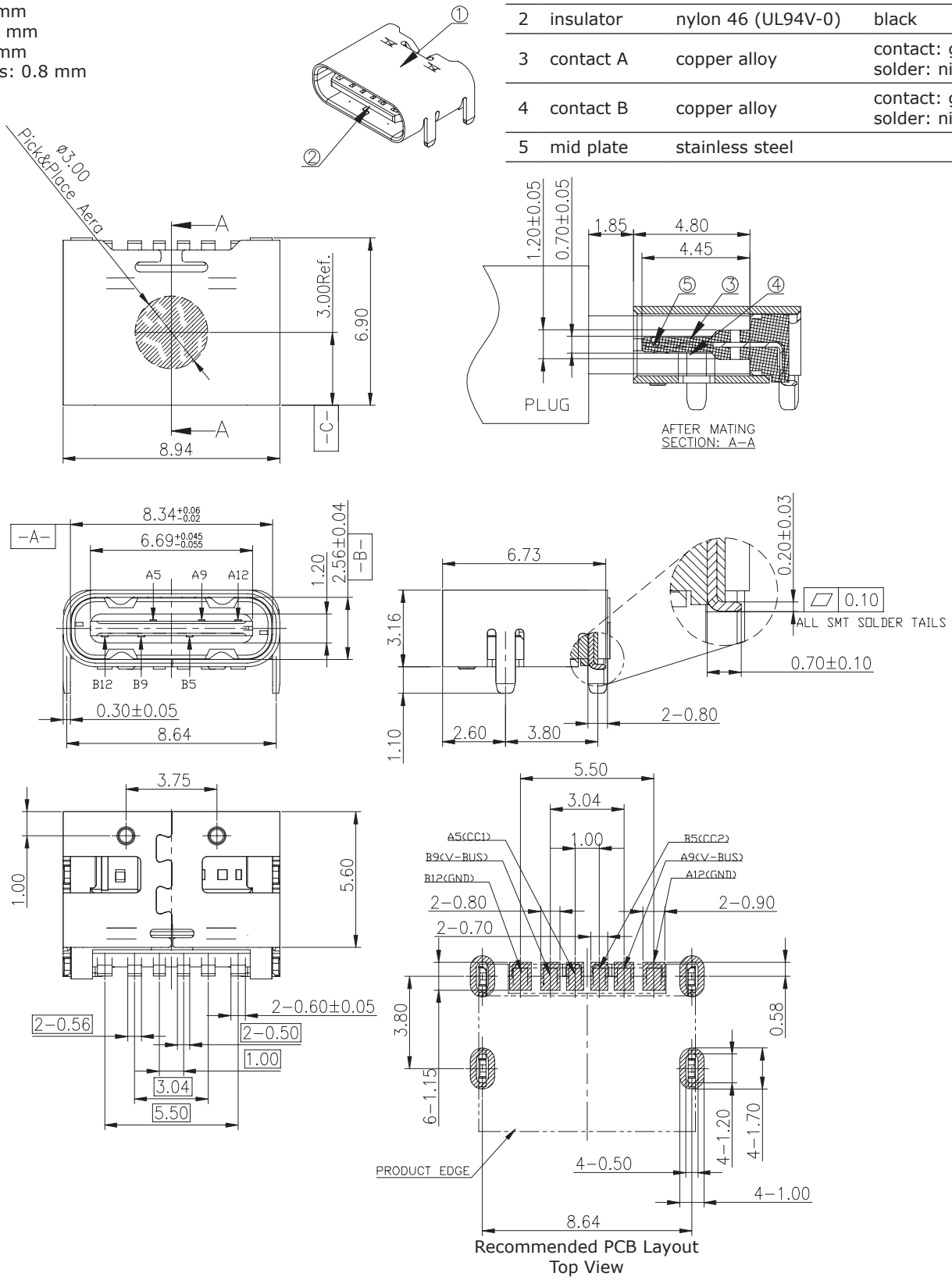
Note: 2. It is recommended to reflow solder within 168 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.



MECHANICAL DRAWING

units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm
PCB thickness: 0.8 mm

		MATERIAL	PLATING
1	shell	stainless steel	nickel
2	insulator	nylon 46 (UL94V-0)	black
3	contact A	copper alloy	contact: gold solder: nickel
4	contact B	copper alloy	contact: gold solder: nickel
5	mid plate	stainless steel	

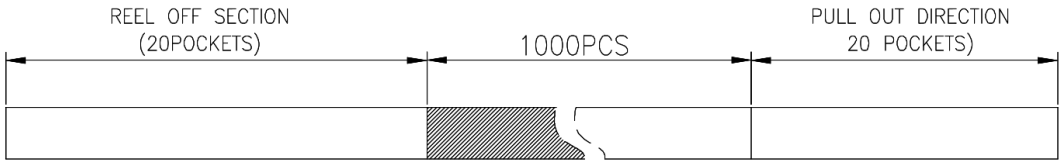


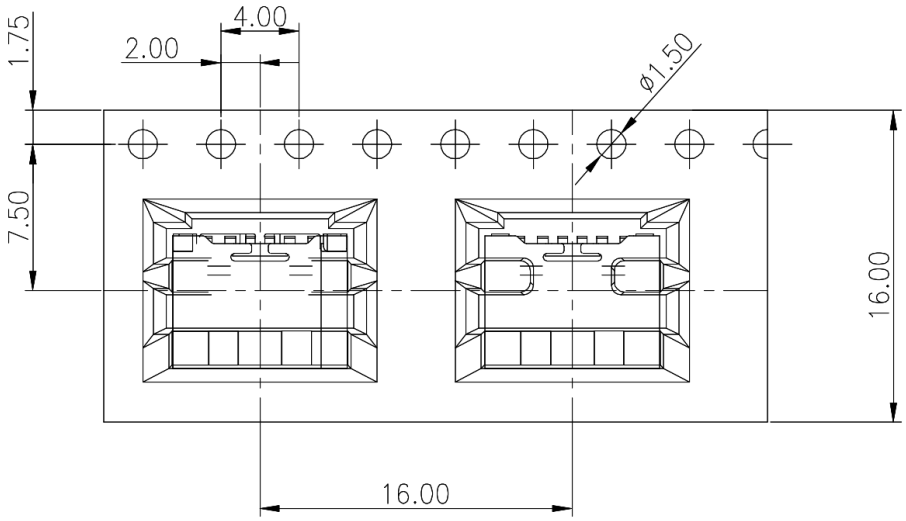
Recommended PCB Layout
Top View

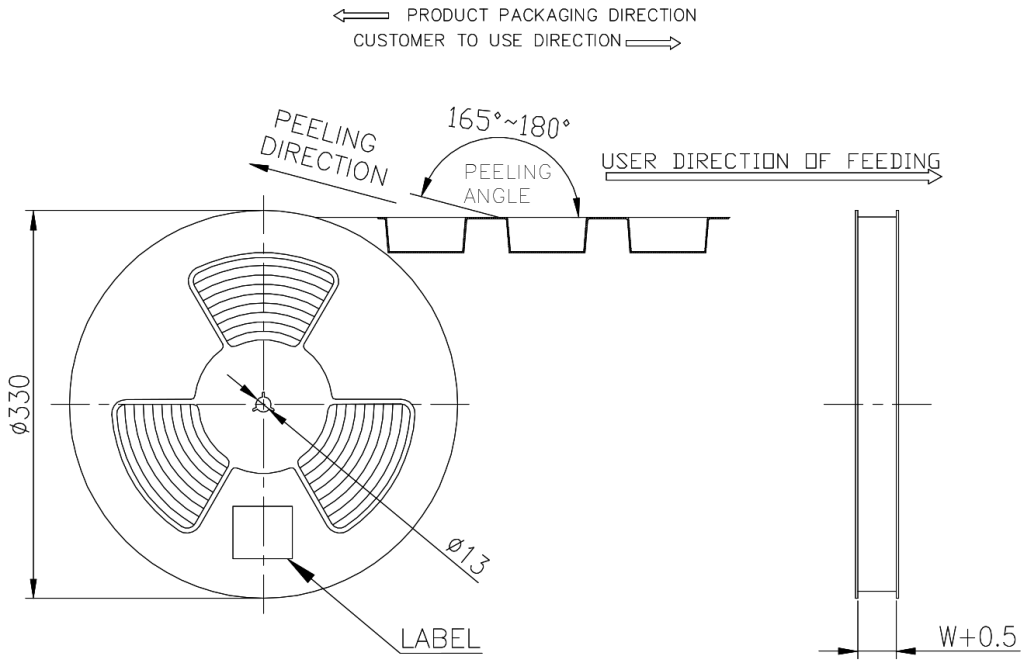
PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 1,000 pcs per reel







REVISION HISTORY

rev.	description	date
1.0	initial release	04/30/2020

The revision history provided is for informational purposes only and is believed to be accurate.